

IAP5 Rec'd PCT/PTO 27 SEP 2006

SEQUENCE LISTING

<110> POSTECH FOUNDATION, et al.

<120> Flowering time-controlling gene COG2 isolated from Arabidopsis thaliana

<130> PCA50313-PSC

<150> KR 10-2004-0021216

<151> 2004-03-29

<160> 8

<170> KopatentIn 1.71

<210> 1

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<212> DNA

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ccaagatgca agagcatgga gacaaagttc tgttacttca acaactacaa cgtaaatcag	240
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gttcccgtcg gcgccggtcg tcggaagtcc aaaccacctg gtcgtgtcgt ggttggtatg	360
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<222> (107)..(111)

<223> Nucleus localization signal

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 35 40 45
 Thr Ala Glu Lys Arg Pro Asp Lys Ile Ile Ala Cys Pro Arg Cys Lys
 50 55 60
 Ser Met Glu Thr Lys Phe Cys Tyr Phe Asn Asn Tyr Asn Val Asn Gln
 65 70 75 80
 Pro Arg His Phe Cys Lys Gly Cys His Arg Tyr Trp Thr Ala Gly Gly
 85 90 95
 Ala Leu Arg Asn Val Pro Val Gly Ala Gly Arg Arg Lys Ser Lys Pro
 100 105 110
 Pro Gly Arg Val Val Val Gly Met Leu Gly Asp Gly Asn Gly Val Arg
 115 120 125
 Gln Val Glu Leu Ile Asn Gly Leu Leu Val Glu Glu Trp Gln His Ala
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gcaacaacag ccgttagatc accctcatcg gatctgacgg ctgagaagcg tccagacaag      180
atcataccat gtccgagatg caagagcatg gagactaagt ttgttactt caacaactac      240
aacgttaatc aaccaagaca ctctgcaaa ggttgtcaac gtactggac cgccggtgga      300
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Gln Gln Gln Gln Pro Glu Leu Gln Ala Thr Thr Ala Val Arg Ser Pro
      35              40              45
Ser Ser Asp Leu Thr Ala Glu Lys Arg Pro Asp Lys Ile Ile Pro Cys
      50              55              60
Pro Arg Cys Lys Ser Met Glu Thr Lys Phe Cys Tyr Phe Asn Asn Tyr
      65              70              75              80
Asn Val Asn Gln Pro Arg His Phe Cys Lys Gly Cys Gln Arg Tyr Trp
      85              90              95
Thr Ala Gly Gly Ala Leu Arg Asn Val Pro Val Gly Ala Gly Arg Arg
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Ala Ala Thr Gly Ala Val Asp Gln Val Glu Leu Asp Ala Leu Leu Val
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